EXPLANATION BASIN-FILL DEPOSITS NONCARBONATE ROCKS CARBONATE ROCKS BOUNDARY OF CARBONATE-ROCK PROVINCE AS USED IN THIS **STUDY** AREA CONTAINING POTENTIOMETRIC-HEAD DATA FOR VOLCANIC ROCKS THAT OVERLIE CARBONATE ROCKS WATER-LEVEL CONTOUR—Shows altitude of (1) potentiometric head in wells and mine shafts penetrating mostly carbonate rocks and (2) regional springs. Long dash where approximately located, short dash where inferred. Contour interval 200 feet, with supplemental 100-foot contours in some areas. Datum is sea level. 5 SPRING OR GROUP OF SPRINGS—Discharge exceeds 1,000 gallons per 3810 minute and water chemistry indicates long flow time, mostly through carbonate rocks. Black number refers to spring name in table 1. Blue number is spring altitude, in feet above sea level 6 SPRING OR GROUP OF SPRINGS—Discharge is between 100 and 1,000 4421 gallons per minute and water chemistry indicates long flow time, mostly through carbonate rocks. Black number refers to spring name in table 1. Blue number is spring altitude, in feet above sea level 6125 MINE SHAFT—Number is water-level altitude in shaft, in feet above sea level WELL DRILLED BY ERTEC WESTERN, INC.—Number is water-level altitude, in feet above sea level 5320 OIL OR GAS EXPLORATION WELL-Number is potentiometric head calculated from shut-in pressure during a drill-stem test, in feet above sea level 6118 OIL OR GAS EXPLORATION WELL—Number is water-level altitude calculated from recovery during a drill-stem test, in feet above sea level 4724 \triangle OIL OR GAS EXPLORATION WELL—Number is water-level altitude measured in an abandoned well, in feet above sea level WELL USED FOR CONTROL IN CONTOURING WATER LEVELS 4327 WELL OUTSIDE AREA OF WATER-LEVEL CONTOURS—Number is water-level altitude, in feet above sea level

water-level altitude, in feet above sea level

AREA WHERE WELLS ARE TOO NUMEROUS TO SHOW

BOUNDARY OF MAJOR FLOW SYSTEM--DASHED WHERE UNCERTAIN

MYDROGRAPHIC AREAS

Figure 19 (continued).—Explanation for potentiometric surface in consolidated rocks in Spring Valley, Snake Valley, and vicinity, east-central Nevada and west-central Utah (modified from USGS HA-694-B, Sheet 2 of 2, Thomas, Mason, and Crabtree, 1986).